

In the Claims

Applicant has submitted a new complete claim set showing marked up claims with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing.

Please cancel claims 1-59, 65, 73, and 74 without prejudice or disclaimer.

1-59. (Cancelled).

60. (Previously Amended) A method for regulating lysosomal pH, comprising:

modifying lysosomal UCP activity in a cell to regulate lysosomal pH, by contacting the cell with a lysosomal UCP inhibitor selected from the group consisting of a lysosomal targeted binding peptide and a lysosomal targeted binding molecule.

61. (Original) The method of claim 60, wherein the cell is a T cell.

62. (Original) The method of claim 61, wherein the cell is a neutrophil.

63-65. (Cancelled)

66. (Amended) A method for treating an infectious disease, comprising:

administering to a subject having or at risk of developing an infectious disease a lysosomal UCP inhibitor in an effective amount for treating the infectious disease wherein the lysosomal UCP inhibitor is selected from the group consisting of a lysosomal targeted binding peptide and a lysosomal targeted binding molecule.

67. (Cancelled)

68. (Original) The method of claim 66, further comprising administering an antigen to the subject.

69. (Original) The method of claim 68, wherein the antigen is selected from the group consisting of a viral, a bacterial, a parasitic, and a fungal antigen.

70. (Original) The method of claim 66, wherein the subject is infected with an intracellular pathogen.

71. (Original) The method of claim 70, wherein the intracellular pathogen is an intracellular bacteria.

72. (Original) The method of claim 70, wherein the intracellular pathogen is an intracellular parasite.

73-74. (Cancelled).

75. (New) The method of claim 60, wherein the lysosomal targeted binding peptide is a UCP antibody.